

Serial No. 10/628,197  
Docket No. ACC048PA

**Amendment to the Specification:**

Please replace the paragraph bridging pages 7 and 8 with the following rewritten paragraph:

The remaining unused ones of the detectors 32 (see 32aa, 32oa, 32oo and 32ao in Fig. 2a as examples), i.e., detectors that are not used to define either the inner detectors I or the outer detectors O, may be included as additional detectors in the outer detectors O or may be used as part of the total or combined array signal based on all the detectors or, particularly for circular symmetric beams, may be ignored. These detectors add versatility to the detector array A to fine tune the ratio of signal detected by the outer detectors O or the inner detectors I. It may be possible to exclude these detectors for given applications and to reduce costs of the detector assembly 30. Step 101 is accomplished by either adjusting individual detector elements that are included in either the outer detectors O or the inner detectors I and/or by adjusting the amount of collimation of the beta beam via the collimator 24 shown in Fig. 3.